

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/778,378	02/07/2001	Debra L. Biebesheimer	14069(YOR920000766US1)	6851
7:	590 02/27/2003			
Richard L. Catania, Scully			EXAMINER	
Scott, Murphy & Presser 400 Garden City Plaza Garden City, NY 11530			WOO, ISAAC M	
			2172	

DATE MAILED: 02/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

M

Application No.   Application No.   Application No.   O9778, 378   BIEBESHEMER ET AL.			M				
Office Action Summary    Examiner   Art Unit   Art Uni		Application No.	Applicant(s)				
Saac M Woo   2172	•	09/778,378	BIEBESHEIMER ET AL.				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Edensions of the may be available under the growther of the period for reply specified above is less than fility (30) days, a reply within the statutory printing of the reply is pecified above, the maximum statutory period will pay the will be period for reply specified above, the maximum statutory period will be statutory minimum of birty (30) days, will be considered timely.  • If the period for reply specified above is less than fility (30) days, a reply within the statutory printing of the period for reply specified above, the maximum statutory period will be payed will display for (40) MONTH from the mailing date of his communication, even if may filed, may review any section as the statutory period will be period to reply will be statutory minimum of the properties.  **Status**  **This action is FINAL.**  **Zabi This action is non-final.**  **Zabi This action is application.**  **Application of Claims**  **4 \(\Omega Claim(s) \) \(\Delta \) 24 is/are pending in the application.**  **Sabi This action is action is actionable and action.**  **Sabi This action is action is actionable and action.**  **Sabi This action is actionable and action is actionable and action.**  **Sabi This action is actionable and actionable and action is actionable and action.**  **Sabi This action is actionable and actionable and a	Office Action Summary	Examiner	Art Unit				
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION.  Exercisions of time may be evaluable under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filled  Exercision of time may be evaluable under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filled  Exercision of time may be evaluable under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filled  Exercision of the reply is specified above, the maximum statutory period will apply add will reply 63 (x) (MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period will apply add will reply 63 (x) (MONTHS from the mailing date of this communication.  Provision of the provision of the following provision of 1.35 (x)	TI MANUNO DATE AND						
THE MAILING DATE OF THIS COMMUNICATION.  Editerations of time may be available under the previolant of 3° CFR. 136(a). In no event, however, may a reply be limely filled after SD (6) MONTRS from the mailing date of this communication.  **TO service of the mailing date of the communication of the state of the communication of the state of the communication.  **Failure to reply within the set or extended period for reply vall. by adults, cause the application to become ARANDONED (35 U.S.C. § 133).  **Any reply recised by the Office bett binn three maining date of this communication, even if firmly filled, may reduce any many part of the communication of the communication, even if firmly filled, may reduce any serviced by the Office bett binn three maining date of this communication, even if firmly filled, may reduce any any serviced by the Office better than the previous that the hardward part of the communication, even if firmly filled, may reduce any serviced by the order between the maining date of this communication.  **Any reply recised by the Office between the order of the Communication of the Commu		ears on the cover sheet with the c	orrespondence address				
2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-24 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) is/are objected to.  8) Claim(s) is/are objected to by the Examiner.  10) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) proved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	<ul> <li>THE MAILING DATE OF THIS COMMUNICATION.</li> <li>Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.</li> <li>If the period for reply specified above is less than thirty (30) days, a reply</li> <li>If NO period for reply specified above, the maximum statutory period w</li> <li>Failure to reply within the set or extended period for reply will, by statute,</li> <li>Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).</li> </ul>	6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a  accepted or b  objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a  approved b  disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a  All b  Some * c)  None of: 1 Certified copies of the priority documents have been received. 2 Certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a  The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Interview Summary (PTO-413) Paper No(s).  11 Interview Summary (PTO-413) Paper No(s).  12 Notice of References Cited (PTO-892)  13 Notice of Informal Patent Application (PTO-152)	1) Responsive to communication(s) filed on <u>07 F</u>	<u>ebruary 2001</u> .					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-24 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) 1-24 is/are rejected.  7)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b) Some * c) None of:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121.  Attachment(s)	2a)☐ This action is <b>FINAL</b> . 2b)⊠ Thi	s action is non-final.					
A) Claim(s) 1-24 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some* c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121.  Attachment(s)  Notice of References Cited (PTO-892)  5) □ Notice of Informal Patent Application (PTO-152)							
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are allowed.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  Notice of References Cited (PTO-892)  Notice of Informal Patent Application (PTO-152)							
5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  3) □ Notice of Informal Patent Application (PTO-152)	4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.						
6   Claim(s) 1-24 is/are rejected. 7   Claim(s) is/are objected to. 8   Claim(s) is/are objected to. 8   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9   The specification is objected to by the Examiner.  10   The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Informal Patent Application (PTO-152)	4a) Of the above claim(s) is/are withdrawn from consideration.						
7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) ☐ The specification is objected to by the Examiner.  10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☒ Notice of References Cited (PTO-892)  2) ☐ Notice of Braftsperson's Patent Drawing Review (PTO-948)  Notice of Informal Patent Application (PTO-152)	5) Claim(s) is/are allowed.						
8   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9   The specification is objected to by the Examiner.  10   The drawing(s) filed on is/are: a)   accepted or b)   objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11   The proposed drawing correction filed on is: a)   approved by   disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)   All   b)   Some * c)   None of:  1   Certified copies of the priority documents have been received.  2   Certified copies of the priority documents have been received in Application No  3.   Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)   The translation of the foreign language provisional application has been received.  15)   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1)   Notice of References Cited (PTO-892)  2)   Notice of Draftsperson's Patent Drawing Review (PTO-948)	6)⊠ Claim(s) <u>1-24</u> is/are rejected.						
Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)	· ,	7) Claim(s) is/are objected to.					
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)		election requirement.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☐ Notice of References Cited (PTO-892)  4) ☐ Interview Summary (PTO-413) Paper No(s)  5) ☐ Notice of Informal Patent Application (PTO-152)							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  Notice of Draftsperson's Patent Drawing Review (PTO-948)							
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s).  Notice of Informal Patent Application (PTO-152)							
12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) ☐ Notice of Informal Patent Application (PTO-152)							
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  Notice of Informal Patent Application (PTO-152)	la de <u>a constituente de la cons</u>						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  Notice of Draftsperson's Patent Drawing Review (PTO-948)							
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  1 Interview Summary (PTO-413) Paper No(s)  Notice of Informal Patent Application (PTO-152)							
2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☒ Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) ☐ Interview Summary (PTO-413) Paper No(s)  Notice of Informal Patent Application (PTO-152)							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s).  Notice of Informal Patent Application (PTO-152)	1. Certified copies of the priority documents have been received.						
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  All Interview Summary (PTO-413) Paper No(s).  Notice of Informal Patent Application (PTO-152)	2. Certified copies of the priority documents have been received in Application No						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s).  5) Notice of Informal Patent Application (PTO-152)	application from the International Bureau (PCT Rule 17.2(a)).						
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)	<u> </u>						
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)							
	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal F					

Art Unit: 2172

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chundi et al (U.S. Patent No. 6,502,091, hereinafter, "Chundi").

With respect to claims 1, 10 and 19, Chundi discloses the system, method and program storage device readable by machine embodying a program of instructions executable by machine to perform for classifying user contexts (context clustering) in a customer self service system that performs resource search and selection, the customer self service system including a context attribute database (36, FIG. 1) comprising types of user contexts and one or more context attributes (usage categories) associated with each user context for processing by the system, and context attribute function database comprising functions for computing values for each context attribute, see (col. 1, lines 6-67 to col. 2, lines 1-67 to col. 3, lines 1-6),

Art Unit: 2172

a) receiving a user query (col. 2, lines 31-49, col. 5, lines 5-16) and context vector (FIG. 4, FIG. 5, FIG. 6, col. 7, lines 1-27) comprising data associating an interaction state with the user (38, usage logs, FIG. 1, col. 1, lines 6-67 to col. 2, lines 1-67 to col. 3, lines 1-6);

- b) processing the query and context vector (FIG. 4, FIG. 5, FIG. 6, col. 7, lines 1-27) against data included in a context attribute database (36, FIG. 1) comprising types of user contexts and one or more context attributes (usage categories) associated with each user context for processing by the system, see (FIG. 1, FIG. 2, FIG. 3, FIG. 4, FIG. 5, FIG. 6, col. 5, lines 17-67 to col. 6, lines 1-67 to col. 7, lines 1-36, col. 2, lines 4-67 to col. 1-6, col. 4, lines 40-67 to col. 5, lines 1-45); and
- c) processing the query and context vector against data included in a context attribute function database (FIG. 4, FIG. 5, FIG. 6, col. 7, lines 1-27) comprising functions for computing values for each context attribute (col. 5, lines 5-67 to col. 6, lines 1-67 to col. 1-36), wherein the processing steps b) and c) results in predicting a particular user context and populating the user context vector with context parameters specifying (col. 5, lines 5-67 to col. 6, lines 1-67 to col. 1-36), a user interaction state (usage logs, col. 2, lines 27-61). Chundi does not explicitly disclose for use in a subsequent resource search. However, Chundi discloses that user may submit multiple queries in an attempt to solve the same problem. Subsequent queries may be refinements of the initial query. It is currently assumed that each query is a separate session. This technique can be extended to the case where each retrieval session includes multiple queries, or a user problem rather than a single query, see (col. 5, lines

Art Unit: 2172

38-44), which teaches that the user contexts are used for later queries again and Chundi teaches discovering context for increasing high probability for searching, see (col. 1, lines 5-67 to col. 2, lines 1-25). Therefore, it would have been obvious a person having ordinary skill in the art the time invention made to include a subsequent resource search in the system of Chundi with using and analyzing query logs for subsequent search purposes. In order to achieve high retrieval effectiveness, grouping (classifying) the user contexts (groups of related words and meaning) by analyzing the user's query logs is used. And the grouping the user contexts gives the user high precision search results (subsequent resource search).

With respect to claims 2, 11 and 20, Chundi discloses that applying the functions to context for specifying the user interaction state, the populating step including annotating the context vector with a set of context parameters for use in subsequent processing, see (FIG. 2-6, col. 7, lines 1-27).

With respect to claims 3, 12 and 21, Chundi discloses that implementing an inductive learning algorithm for predicting the user contexts, see (FIG. 2-6, col. 7, lines 1-27).

With respect to claims 4, 13 and 22, Chundi discloses that updating the attribute value functions database with more enhanced functions, see (FIG. 1, col. 3, lines 61-67 to col. 4, lines 1-67 to col. 5, lines 1-5).

Art Unit: 2172

With respect to claims 5, 14 and 23, Chundi discloses that analyzing historical user interaction data from a user interaction database (usage logs, FIG. 1) comprising data relating to past user queries entered into the system and associated user contexts for particular users; and, mapping context attribute values to context attribute functions, said data from said user records database serving as a training set for continuous improvement of said functions in the attribute function database, see (col. 2, lines 31-67 to col. 2, lines 1-6).

With respect to claims 6, 15 and 24, Chundi discloses that the user interaction data includes data relating to previous system interactions, the data including user validated contexts that were applicable during said the system interactions, and the users responses relating to those interactions, see (FIG. 1, FIG. 2-4, col. 2, lines 31-67 to col. 2, lines 1-6, col. 5, lines 5-45).

With respect to claims 7 and 16, Chundi discloses that the prior transactions of a current user and prior transactions of other similar users, wherein common behaviors and acceptance criteria are determined for the updating the functions, see (FIG. 1, FIG. 2-4, col. 2, lines 31-67 to col. 2, lines 1-6, col. 5, lines 5-45).

With respect to claims 8 and 17, Chundi discloses that similar users comprise those users with shared organization, community or environmental characteristics, see

Art Unit: 2172

(FIG. 1, FIG. 2-4, col. 2, lines 31-67 to col. 2, lines 1-6, col. 5, lines 5-45, Note: same domain (same group) user shares many user attributes).

With respect to claims 9 and 18, Chundi discloses updating mechanism provides additions and modifications to a set of context attribute functions resulting in increasing ability to predict derived contexts as functions of the raw contexts, see (col. 1, lines 16-67 to col. 2, lines 1-67 to col. 3, lines 1-7).

## Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Anwar (U.S. Patent No. 6,490,577) discloses the system for search engine that utilizes both record based data and user activity data to develop, update and refine ranking protocols and to identify words and phrases that give rise to search ambiguity so that the engine can interact with the user to better respond to user queries and enhance data acquisition from databases, intranets and internets.

Sarkar (U.S. Patent No. 6,012,067) discloses the system for the retrieval, construction and manipulation of any kind of objects using Structured Query Language (SQL) over disparate relational storage systems on the web. Uniform Resource Locators (URLs) are used by the present invention to locate objects corresponding to component relational databases on the web and other web objects. URLs locating

relational schema components and other web objects are stored as attribute values in tables. Object methods and operators on such web objects are defined as part of user defined type definition for an attribute type in a table. Object request brokers apply such methods or operators on web objects anywhere on the web. Since URLs can point to relational data store under a remote schema definition, a business application logic in the form of object package is executed after constructing proper sets of records by relational operations at the remote schema location. This leads to partitioning of a logical schema into many physical schema components with business objects. Also by this invention, parts of a web object can be intelligently manipulated and access methods through index creation enable range access over web objects. Additionally, this invention suggests possible internet security by authorizations at component schema locations and by further maintaining processing logic for secured transmission over the internet. SQL queries create, retrieve and manipulate disparate web objects with implicit or explicit calls to business application logic as object methods. This invention uniquely incorporates a cooperative method of preparation, execution and resolution of a SQL query manipulating uniform resource locators and object definitions at multiple locations on the web.

Art Unit: 2172

Contact Information

examiner should be directed to Isaac M Woo whose telephone number is (703) 305-

Any inquiry concerning this communication or earlier communications from the

0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kim Y Vu can be reached on (703) 305-4393. The fax phone numbers for

the organization where this application or proceeding is assigned are (703) 746-7239 for

regular communications and (703) 308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 305-

3900.

**IMW** 

February 21, 2003

KIM VU

SUPERVISORY PATENT EXA

TEURNOLOGY CENTER 2.

Page 8